PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AZ02-171WODA	FOR FURTHER ACTION a	see Form PCT/ISA/220 s well as, where applicable, item 5 below.
International application No. PCT/KR 2004/001029	(Earliest) Priority Date (day/month/year) 11 June 2003 (11.06.2003)	International filing date (day/month/year) 3 May 2004 (03.05.2004)
Applicant .	LG ELECTRONICS INC.	
This international search report has been according to Article 18. A copy is being	prepared by this International Searching Aut transmitted to the International Bureau.	hority and is transmitted to the applicant
This international search report consists of	of a total of <u>5</u> sheets. a copy of each prior art document cited in thi	raport
This also accompanied by a		. report.
language in which it was filed, un	nternational search was carried out on the bastless otherwise indicated under this item.	
The international to this Authority		lation of the international application furnished
b. D With regard to any nucleotid	e and/or amino acid sequence disclosed in	the international application, see continuation of this first sheet.
2. Certain claims were foun	d unsearchable (see continuation of this firs	t sheet)
	ing (see continuation of this first sheet)	
4. With regard to the title, the text is approved as sub-	mitted by the applicant	14
	ed by this Authority to read as follows:	
	,	
5. With regard to the abstract,	minud Ecology 11	
the text is approved as sub		
the text has been established sheet. The applicant may, we comments to this Authority	within one month from the date of mailing of	ty as it appears in the continuation of this first this international search report, submit
6. With regard to the drawings,		
· —	ublished with the abstract is Figure No.	<u>1</u>
as suggested by the applica		
·	ty, because the applicant failed to suggest a fi	
	ty, because this figure better characterizes the	invention.
b. Unone of the figures is to be pu	ionsied with the abstract.	

10/560084 IAP9 Rec'd PCT/PTO 09 DEC 2005

INTERNATIONAL SEARCH REPORT

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Continuation No. IV:

Text of the abstract

(Continuation of item 5 of the first sheet)

Disclosed is a rotary compressor having two compression capacities in clockwise and counterclockwise directions. The rotary compressor includes: a driving shaft (13) being rotatable clockwise and counterclockwise, and having an eccentric portion (13a) of a predetermined size; a cylinder (21) having a predetermined inner volume; roller (22) installed rotatably on an outer circumference of the eccentric portion (13a) so as to contact an inner circumference of the cylinder, performing a rolling motion along the inner circumference and forming a fluid chamber (29) to suck and compress fluid along with the inner circumference; a vane (23) installed elastically in the cylinder to contact the roller; upper and lower bearing (24,25) installed respectively in upper and lower portions of the cylinder (21), for rotatably supporting the driving shaft (13) and hermetically sealing the inner volume; suction (27) and discharge ports (26) communicating with the fluid chamber (29) depending on the rotational direction of the driving shaft (13).

A. CLASSIFICATION OF SUBJECT MATTER F04C 29/10, F04C 15/04, F04C 29/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) FO4C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, WPI; search terms: reversible, compressor

C. DOCUM	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
A	US 4598559 (TOMAYKO) 8 July 1986 abstract; fig. 1-6; column 1, lines 43-58	6 (08.07.1986) 3.	1,2,4-10,13, 14,19,20,30, 37- 41,56,63, 76, 79,81,87, 89, 98,101-106, 110,115	
A	EP 0652372 A1 (MITSUBISHI DENKI 27 April 1994 (27.04.1994) abstract; fig.1,2,4,12; column 1, line 55		1,4-8,10,50, 76,79,81,87, 89,101-106, 130,131	
* Special "A" docume	documents are listed in the continuation of Box C. categories of cited documents: nt defining the general state of the art which is not considere particular relevance	to understand the principle or the	with the application but cited eory underlying the invention	
"E" earlier a filing da "L" docume cited to special i "O" docume means "P" docume	application or patent but published on or after the international	cannot be considered novel or comments of particular relevance of particular r	annot be considered to involve ment is taken alone ance; the claimed invention e an inventive step when the one or more other such being obvious to a person	
Date of the	actual completion of the international search 10 August 2004 (10.08.2004)	Date of mailing of the international s 6 September 2004 (earch report (06.09.2004)	
	mailing address of the ISA/ AT Austrian Patent Office esdner Straße 87, A-1200 Vienna	Authorized officer HÖRZER	K.	
Facsimile N	No. +43 / 1 / 534 24 / 535	Telephone No. +43 / 1 / 534 24	/ 359	

INTERNA JNAL SEARCH REPORT

International application No. PCT/KR 2004/001029

		2004/001029
C (Continuat	ion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	US 2904973 (KOSFELD) 22 September 1959 (22.09.1959) fig.1-4; column 3, line 56 - column 4, line 43.	1,49,51,63,92, 96,
Α	 US 2812128 (BOSCH) 5 November 1957 (05.11.1957) fig. 1,2; column 1, line 59 - column 2, line 9; column 5, lines 21-28.	1,71,72,73,78, 79,81,82
А	EP 0669464 A1 (RABA MAGYAR VAGON-ÉS GÉPGYAR RT.)	1,2,4-6,9,12, 23,25,29,37,
	23 February 1995 (23.02.1995) abstract; fig.1,2,6; column 2, line 26 - column 3, line 4; column 6, lines 31-47.	43,52
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INTERN IONAL SEARCH REPORT Information on patent family members

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